

JC20 Rec'd PCT/PTO 24 OCT 2005

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| <b>FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b><br><small>(use as many sheets as necessary)</small> |   |    | Complete If Known    |                        |            |
|  |   |    | Application Number   | 807554235              |            |
|  |   |    | Filing Date          | October 24, 2005       |            |
|  |   |    | First Named Inventor | Shunsuke OIKE et al.   |            |
| Examiner Name  |   |    |                      |                        |            |
| Sheet  | 1 | of | 1                    | Attorney Docket Number | 018765-230 |

| U.S. PATENT DOCUMENTS |                 |                      |   |                                     |
|-----------------------|-----------------|----------------------|---|-------------------------------------|
| Examiner Initials     | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
| DB                    | 2002/042210     | A1                   | Mandal et al.                                   | 04-11-2002                          |
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| FOREIGN PATENT DOCUMENTS |                 |                      |                                  |                                  | STATUS      |                     |                    |               |      |          |               |
|--------------------------|-----------------|----------------------|----------------------------------|----------------------------------|-------------|---------------------|--------------------|---------------|------|----------|---------------|
| Examiner Initials        | Document Number | Kind Code (if known) | Country                          | Date of Publication (MM-DD-YYYY) | Translation | Partial Translation | Eng. Lang. Summary | Search Report | IPER | Abstract | Cited in Spec |
| DB                       | 2000-159509     | A                    | JP                               | 06-13-2000                       |             |                     |                    | X             |      |          |               |
| DB                       | 2001-294417     | A                    | JP                               | 10-23-2001                       |             |                     |                    | X             |      |          |               |
| DB                       | 91/11390*       | A2                   | WO                               | 08-08-1991                       |             |                     |                    |               |      |          | X             |
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|                          |                 |                      |                                  |                                  |             |                     |                    |               |      |          |               |
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| NON-PATENT LITERATURE DOCUMENTS |   |
|---------------------------------|---|
| Examiner Initials               | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
| DB                              | YANAGISAWA et al., "The Preparation of Alkyltrimethylammonium-Kanemite Complexes and Their Conversion to Microporous Materials," <i>Bull. Chem. Soc. Jpn.</i> (1990) p 988, Vol. 63, No. 4, The Chemical Society of Japan*                                      |
|                                 | YANG et al., "Synthesis of oriented films of mesoporous silica on mica," <i>Nature</i> (February 22, 1996) p 703, Vol. 379*   |
|                                 | MIYATA et al., "Preferred Alignment of Mesochannels in a Mesoporous Silica Film Grown on a Silicon (110) Surface," <i>J. Am. Chem. Soc.</i> (1999) p 7618, Vol. 121, American Chemical Society*   |
|                                 | OGAWA, "A simple sol-gel route for the preparation of silica-surfactant mesostructured materials," <i>Chem. Commun.</i> (1996) p 1149*  |
|                                 | OGAWA, "Preparation of transparent thin films of silica-surfactant mesostructured materials," <i>Supramolecular Science</i> , (1998) p 247, Vol. 5, Nos. 3-4, Elsevier Science Limited, Great Britain*  |
|                                 | ZHAO et al., "Continuous Mesoporous Silica Films with Highly Ordered Large Pore Structures," <i>Adv. Mater.</i> , (1998) p 1380, Vol. 10, No. 16, Wiley-VCH Verlag GmbH, Weinheim, Germany*   |
|                                 | LU et al., "Continuous formation of supported cubic and hexagonal mesoporous films by sol-gel dip-coating," <i>Nature</i> , (September 25, 1997) p 364, Vol. 389*   |
| Y                               | LU et al., "Aerosol-assisted self-assembly of mesostructured spherical nanoparticles," <i>Nature</i> (March 18, 1999) p 223, Vol. 398*  |
| DB                              | KRUK et al., "New insights into pore-size expansion of mesoporous silicates using long-chain amines," <i>Microporous and Mesoporous Materials</i> , (2000) p 545, Vol. 35-36, Elsevier Science B.V.*  |

\*Copy attached.

|                    |             |                 |        |
|--------------------|-------------|-----------------|--------|
| Examiner Signature | DM Brusyman | Date Considered | 4/2/07 |
|--------------------|-------------|-----------------|--------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

\* no math provided